

Technical Data Sheet

1. General product information	
Product name :	EL-110
Chemical name:	Castor Oil Ethoxylates
CAS number:	61791-12-6
Product Description:	EL-110 is a non-ionic surfactant composed of castor oil polyoxyethylene ether with a higher degree of ethylene oxide addition. It exhibits excellent emulsifying, wetting, cleaning, and antistatic properties. Similar to comparable products such as EL-40, it serves as an excellent emulsifier in the textile auxiliaries and synthetic fiber oil industries, and is also used in specific industrial applications such as the separation of oil sands and asphalt.

2. Specifications Table		
Parameters	Physical and Chemical Properties	Test Method
Appearance(25°C)	Brownish-yellow to light brown semi-solid	Visual assessment
Saponification value (mgKOH/g)	-	GB/T 5534-2008
Cloud point (°C)	82-87	GB/T 5559-2010
pH value	5.0-7.0	GB/T 12008.2-2010
Water content (%)	≤0.5	GB/T 22313-2008
Iodine value (g I ₂ /100 g)	-	General Rules 0713, Chinese Pharmacopoeia

※ The above data is for reference only and should not be construed as technical indicators.

3. Properties and Applications

Used as an O/W emulsifier for various vegetable, animal, and mineral oils

Used in the textile industry as a component of wool and wool oil treatments, as well as synthetic fiber oil treatments, providing both emulsifying and antistatic effects

Used as an emulsifier in the ink and pharmaceutical industries

Can be used as an emulsifier for organophosphorus pesticides

Used in the metalworking industry to formulate water-soluble metal cutting fluids

Used as a crude oil dewatering agent in the oilfield industry

4. Storage and Handling

Store in dry and cool location and protect the product from heat and direct sunlight. In enclosed original container product keeps stable for at least 2 years. keep the container tightly sealed. Prior taking portions all the lot must be homogenised. please refer to the Safety Data Sheet (MSDS) for this product for instructions on safe and proper handling and disposal.

The information provided in this document is based on the best of our knowledge and experience. It is intended as a general description of our product specifications and shall not constitute a guarantee or agreement regarding the quality of the specified products, respectively. The customer remains responsible for the inspection and testing of the specified products, as well as any supplementary information and documents provided alongside with the specified products, in particular the material safety data sheets, in order to determine their suitability for their particular application.